MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

SEPTEMBER 1951

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

LIBRARY
NOV 23 1955
WEATHER BUREAU

SEPTEMBER 1951
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	22:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	57.8	57.1	57.9	57.6	33.0	25.0	29.4	31.6	27.2	29.4
2	57.6	57.5	57.9	57.7	33.3	25.2	28.9	31.1	27.3	29.1
3	58.4	58.9	59.5	58.9	32.3	24.1	28.6	30.0	26.7	28.4
4	59.7	59.5	59.5	59.6	31.3	24.1	27.8	30.2	26.1	28.0
5	59.5	58.2	57.8	58.5	30.9	24.7	29.1	30.9	26.2	28.7
6	57.5	56.2	55.8	56.5	32.5	24.3	29.4	31.7	25.6	28.9
7	55.4	54.6	54.8	54.9	32.7	24.4	28.4	32.2	26.8	29.1
8	56.5	55.1	56.4	56.0	32.8	24.5	29.3	32.8	26.7	29.6
9	57.4	57.1	57.4	57.3	31.9	25.5	29.3	31.7	27.7	29.7
10	57.6	57.4	57.9	57.6	33.6	25.8	28.9	32.1	27.8	29.6
11	58.9	58.8	59.1	58.9	33.0	25.2	29.4	32.9	28.8	30.4
12	58.6	56.1	56.2	57.0	31.9	22.8	28.2	31.0	26.7	28.6
13	55.9	55.0	55.8	55.6	30.9	21.6	23.3	30.9	25.8	26.7
14	56.8	56.7	57.8	57.1	30.7	23.6	25.8	30.5	25.6	27.3
15	58.5	58.1	58.2	58.3	30.6	23.3	28.1	30.4	26.0	28.2
16	58.8	58.6	59.1	58.8	31.2	23.3	25.9	30.6	25.6	27.4
17	59.9	59.5	59.8	59.7	31.7	25 2	28.8	30.8	27.7	29.1
18	59.7	59.7	60.1	59.8	31.8	25.0	28.3	31.0	27.2	28.8
19	60.3	59.7	60.1	60.0	31.8	33.8	29.7	31.1	25 9	28.9
20	59.9	59.1	59.3	59.4	31.7	25.0	28.2	31.2	26.2	28.5
21	58.9	58.5	59.3	58.9	31.4	23.3	28.8	30.8	26.2	28.6
22	59.2	59.0	59.6	59.3	31.2	24.1	27.1	30.9	26.0	28.0
23	59.9	59.5	60.2	59.9	31.0	22.8	27.4	30.8	24.4	27.5
24	60.7	60.2	60.7	60.5	29.9	22.7	26.7	29.4	24.6	26.9
25	61.4	59.7	60.1	60.4	29.7	23.7	27.4	29.6	26.1	27.7
26	59.1	57.1	56.4	57.5	31.6	23.9	27.9	30.7	27.3	28.6
27	57.7	54.8	55.4	56.0	32.1	24.9	27.8	30.2	27.1	28.4
28	57.2	57.4	59.3	58.0	30.9	23.1	28.3	30.7	25.6	28.2
29	59.0	59.0	59.4	59.1	29.4	22.3	26.8	28.2	23.6	26.2
30	59.6	59.4	60.4	59.8	29.3	22.0	26.9	28.2	23.8	26.3
31										
	58.58	57.92	58.37	58.29	31.54	23.97	28.00	30.81	26.24	28.36

Barometer, range for month 761.4 mm. — 754.6 mm
„ 71-yr. average for month 758.74 mm.
Thermometer, range for month 33.6°C — 21.6°C
„ 71-yr. average for month 27.21°C
Rain total for month 17.52 mm.
„ 71-yrs average for month 6.19 mm.
„ Total, Sept. 1st. to end of month 17.52 mm.
„ 71-yrs. average. Sept. 1st. to end of month 6.19 mm.

SEPTEMBER 1951

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	21.7	29.4	29.9	27.0	52	63	83	66			
2	22.2	29.1	29.9	27.1	56	64	82	67			
3	23.3	26.2	30.3	26.6	61	61	88	70			
4	23.7	26.2	25.1	25.0	64	62	75	67			
5	26.4	26.1	26.5	26.3	66	58	79	68			
6	27.4	27.9	28.3	27.9	67	61	86	71			
7	29.0	30.5	30.3	29.9	75	63	87	75			
8	29.6	30.5	30.3	30.1	73	63	87	74			
9	28.9	31.0	30.2	30.0	70	66	81	72			
10	27.1	32.1	30.2	29.8	69	67	82	73			
11	31.2	29.7	29.5	30.1	76	62	79	72			
12	25.4	33.8	21.3	26.8	65	75	60	67			
13	27.3	27.6	24.1	26.3	95	61	73	76			8.13
14	24.1	27.2	25.5	25.6	73	61	78	71			7.11
15	25.4	25.8	24.8	25.3	65	58	76	66			0.25
16	24.8	25.8	24.1	24.9	77	58	73	69			
17	20.8	25.8	25.8	24.1	53	59	70	61			
18	21.2	26.8	27.0	25.0	54	60	74	63			
19	24.5	26.8	25.7	25.7	60	60	76	65			
20	28.3	26.8	27.9	27.7	73	60	82	72			
21	29.3	29.1	30.8	29.7	73	64	91	76			2.03
22	31.4	27.6	20.2	26.4	88	61	62	70			
23	20.8	29.1	19.7	23.2	58	64	66	63			
24	19.3	19.7	20.5	19.8	55	47	66	56			
25	20.2	28.1	23.7	24.0	57	68	70	65			
26	21.7	22.2	24.9	22.9	58	52	70	60			
27	26.5	25.5	26.7	26.2	71	60	77	69			
28	23.3	26.1	25.5	25.0	61	59	76	65			
29	23.3	21.7	24.6	23.2	66	58	85	70			
30	23.3	22.6	21.5	22.5	66	58	72	65			
31											
	25.05	27.23	26.16	26.14	66.6	61.1	76.9	68.1			0.58

Height of Barometer above sea level : 33.7 meters.
" " Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

SEPTEMBER 1951
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	3cu	1.0	1sw	1sw	1sw	light	
2	0	2cu	3cu	1.7	1sw	1sw	1	,,	
3	2cu	5cu	3cu	3.3	1sw	1sw	1sw	,,	
4	4cu	3cu	8cu	5.0	2sw	1sw	1sw	,,	
5	1cu	0	0	0.3	1sw	1ne	0	,,	
6	3cu-ci	0	0	1.0	1sw	1nw	0	light	
7	0	0	0	0.0	1sw	1nw	0	,,	
8	0	0	0	0.0	1sw	1w	1w	,,	
9	0	0	0	0.0	1sw	1w	1sw	,,	
10	0	0	0	0.0	1sw	1nw	1sw	,,	
11	0	0	0	0.0	1sw	1nw	1nw	light	
12	3cu	2cu	4cu	3.0	1sw	1nw	1nw	,,	
13	8cu-ni	3cu	0	3.7	1sw	1sw	1sw	,,	T., a.m.
14	4cu-ci	1cu	4cu	3.0	1sw	1 w	1sw	,,	
15	4cu	3cu	4cu	3.7	1sw	1w	1sw	,,	
16	3cu	0	0	1.0	1sw	1sw	1sw	light	
17	0	0	0	0.0	2ne	2ne	3ne	slight	
18	2cu	4ci	4ci	3.3	3ne	3ne	3ne	,,	
19	0	0	0	0.0	2ne	2ne	1ne	,,	
20	0	0	0	0.0	1sw	1sw	1sw	light	
21	0	5cu	7cu-ni	4.0	2sw	2sw	2sw	slight	
22	10cu-ni	6cu	6cu	7.3	2sw	1sw	1sw	,,	Tr., a.m.
23	2cu	3cu	4cu	3.0	2sw	2sw	2sw	,,	
24	2cu	3cu	7cu	4.0	2sw	1sw	1sw	light	
25	0	0	0	0.0	1sw	2ne	3ne	slight	
26	0	2ci	0	0.7	1sw	4ne	3ne	mod.	W., P.M.
27	2cu-st	3cu-ci	0	4.0	1sw	2ne	1ne	slight	
28	3cu-ci	2cu-ci	2cu-ci	2.3	2sw	2sw	1sw	light	
29	5cu-ci	4cu	5cu	4.7	1sw	2sw	1sw	,,	Tr., a.m. P.M.
30	4cu	2cu	1cu	2 3	1sw	2sw	1sw	,,	
31									
	Mean			2.08					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	3	0	0	0	27	0	0	0	30
14:30	0	7	0	0	0	15	3	5	0	30
20:30	0	6	0	0	0	18	1	2	3	30
Total	0	16	0	0	0	60	4	7	3	90

Number of days with rain 4, fog 0, thunderstorms 1, gale 0.
71 yr. av. number of days with rain during month 1.13